

Recombinant Human EDF1, His-tagged

Cat. No. EDF1-28461TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-148 of Human EDF1 with N terminal His tag, 25kDa.
Species	Human
Source	E.coli
ProteinLength	1-148 a.a.
Description	This gene encodes a protein that may regulate endothelial cell differentiation. It has been postulated that the protein functions as a bridging molecule that interconnects regulatory proteins and the basal transcriptional machinery, thereby modulating the transcription of genes involved in endothelial differentiation. This protein has also been found to act as a transcriptional coactivator by interconnecting the general transcription factor TATA element-binding protein (TBP) and gene-specific activators. Two alternatively spliced transcripts which encode distinct proteins have been found for this gene.
Conjugation	HIS
Tissue specificity	Expressed in brain, liver, lung, kidney and heart (at protein level). Ubiquitously expressed. More abundant in heart, pancreas, liver, intestine and adipose tissues.
Form	Lyophilised:Reconstitute with 48 µl aqua dest.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Store at 4°C. Upon reconstitution store at -80°C.
Sequences of amino acids	MAESDWDTVTVLRKKGPTAAQAKSKQAILAAQRRGEDVET SKKWAAGQNKQHSIT KNTAKLDRETEELHHDRVTLEVG KVIQQGRQSKGLTQKDLATKINEKPQVIADYESG RAIPNN QVLGKIERAIGLKLRGKDIGKPIEKGPRAK
Sequence Similarities	Contains 1 HTH cro/C1-type DNA-binding domain.
Full Length	Full L.

GENE INFORMATION

Gene Name	EDF1 endothelial differentiation-related factor 1 [Homo sapiens]
Official Symbol	EDF1
Synonyms	EDF1; endothelial differentiation-related factor 1; EDF 1; multiprotein bridging factor 1;
Gene ID	8721
mRNA Refseq	NM_003792
Protein Refseq	NP_003783
MIM	605107
Uniprot ID	O60869

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Chromosome Location	9q34.3
Function	calmodulin binding; NOT histone acetyltransferase activity; NOT methyltransferase activity; protein binding; sequence-specific DNA binding;

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